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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/562,929	12/30/2005	Takuya Tsukagoshi	126458	3679
25944 OLIFF & BERI	7590 06/02/200 RIDGE, PLC	EXAMINER		
P.O. BOX 3208	350	STULTZ, JESSICA T		
ALEXANDRIA, VA 22320-4850			ART UNIT	PAPER NUMBER
			2873	
			MAIL DATE	DELIVERY MODE
			06/02/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/562,929	TSUKAGOSHI ET AL.			
Office Action Summary	Examiner	Art Unit			
	Jessica T. Stultz	2873			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 14 Fe This action is FINAL. 2b) ☑ This Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) 2-4 and 6-17 is/are w 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1 and 5 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examiner 10) ☐ The drawing(s) filed on 30 December 2005 is/are	ithdrawn from consideration. election requirement.	ed to by the Examiner.			
Applicant may not request that any objection to the orection Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Expression 11).	drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 12/30/05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of claims 1 and 5 in the reply filed on February 14, 2008 is acknowledged. The traversal is on the ground(s) that the Species have a common special technical feature, specifically spatial light modulation by an array of micromirrors. This is not found persuasive because the fact that the groups all comprise an array of micromirrors does not correspond to a "special" technical feature of the invention. The special technical features of the groups relate to the means of forming the reflectance angle distribution of the modulators as shown in the previous restriction requirement mailed January 14, 2008.

The requirement is still deemed proper and is therefore made FINAL.

Claims 2-4 and 6-17 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on February 14, 2008.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Fuji JP 2002-228952, herein referred to as Fuji '952.

Regarding claim 1, Fuji '952 discloses a spatial light modulator (Sections 7-8, Drawing 1) wherein a plurality of micro mirrors (12) are arranged in an array (10, Drawing 1) configuration on a substrate (14) and an inclination of a reflecting surface of each micro mirror can be independently controlled to one of two reflection angle states (Sections 7-9, wherein the mirrors 12 tilt around a pivot 16 to different reflection angle states, Shown in Drawings 1-2) by an electrostatic attracting force exerted between the substrate (Sections 8 and 10-12, wherein forces between electrodes 18a-d and 20a-d cause the mirrors 12 to tilt, Drawings 1-2), the spatial light modulator being characterized by providing a reflection angle distribution to each micro mirror such that collimated light incident on the micro mirrors is reflected to be converged at one point for one of the reflection angle states (Sections 8 and 15, shown in Drawing 3, wherein the collimated light is converged at points a/b for different reflection angle distributions of the mirrors 12).

Regarding claim 5, Fuji '562 further discloses that a surface on which the micro mirrors are arrayed is a concave or convex curved surface (Abstract and Section 7, Shown in Drawing 1A).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jessica T. Stultz whose telephone number is (571) 272-2339. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on 571-272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2873

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jessica T Stultz Primary Examiner Art Unit 2873

/Jessica T Stultz/ Primary Examiner, Art Unit 2873